

International Application No.: PCT/JP2004/003044  
U.S. Patent Application No.: Unknown  
September 14, 2005  
Page 3 of 12

**IN THE ABSTRACT:**

Please replace the Abstract of the Disclosure originally filed with the above-identified patent application with the following new Abstract of the Disclosure:

## ABSTRACT OF THE DISCLOSURE

A dimming device is provided by using a material which is capable of transitioning between a metallic reflection state and a transmitting state. The dimming device has a layered structure including a first layer and a second layer, such that the light reflectance of the first layer changes in response to an external stimulation. The first layer contains a first material whose optical characteristics change in accordance with a concentration of a specific element. The second layer contains a second material capable of containing the specific element, the second material releasing or absorbing the specific element in accordance with the external stimulation.